Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/28/2020 09:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123929	-1	3.32	124032	3.33
Blue	F	SSC	125000	124776	-1	1.67	125550	1.71
Blue	E	FITC	15892	15486	-3	2.98	338	21.99
Blue	D	PE	29999	29017	-4	2.02	634	16.10
Blue	B	PerCP-Cy5-5	43732	43544	-1	3.88	1169	21.28
Blue	A	PE-Cy7	30845	30519	-2	6.59	578	44.51
Red	C	APC	46112	44490	-4	2.46	1574	12.14
Red	A	APC-Cy7	30458	29242	-4	2.41	770	12.16
Violet	B	V450	7918	7556	-5	4.19	426	13.99
Violet	A	V500	32171	31654	-2	3.92	739	10.91

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16900	17.74	645	24	N/A	N/A	Pass
Blue	F	SSC	56874	1.27	579	20	N/A	N/A	Pass
Blue	E	FITC	61	68.96	554	11	0.0162	136	Pass
Blue	D	PE	131	53.18	559	11	0.1260	229	Pass
Blue	B	PerCP-Cy5-5	212	54.09	669	13	0.0084	105	Pass
Blue	A	PE-Cy7	107	110.70	714	16	0.0092	17	Pass
Red	C	APC	377	25.34	588	4	0.0244	157	Pass
Red	A	APC-Cy7	170	29.03	560	4	0.0054	878	Pass
Violet	B	V450	65	63.87	463	5	0.0428	2032	Pass
Violet	A	V500	110	37.74	480	6	0.0216	1249	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.85	-31.89	1.01
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	15.72	13.60 - 20.40	N/A	N/A	28.90	29.76	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.82

Threshold

Threshold (FSC): 10104

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments